Student Name: _____

Class: _____

Due Date: _____

Introduction to Fraction Operations

Essential Understanding:

- Definition of fractions
- Equivalent fractions
- Comparing fractions with different denominators

Complete these concept checks:

1. Define and give an example of a fraction

2. Identify which of the following fractions are equivalent: 1/2 and 2/4

Activity 1: Equivalent Fractions

Identify which of the following fractions are equivalent:

1. 1/2 and 2/4

2. 3/4 and 6/8

3. 2/3 and 4/6

Draw diagrams to help you understand and explain your reasoning:

Activity 2: Comparing Fractions

Compare the following fractions with different denominators:

1. 1/4 and 1/6

2. 3/8 and 2/8

3. 2/3 and 3/4

Use numbers, words, and diagrams to explain which fraction is larger in each pair:

Activity 3: Real-World Application

Tom has 1/4 of a cake for his snack, and his friend has 1/6 of a cake. Who has more cake, and how much more?

Explain your answer with calculations and a simple diagram:

Extension Activities

Choose any combination:

1. Create three pairs of equivalent fractions and draw diagrams to illustrate each pair

2. Solve the following word problems:
   - Sarah has 3/8 of a bag of apples. If she gives 1/8 to her brother, what fraction of the bag does she have left?
   - A bookshelf has 5 shelves, and 2/5 of them are filled with books. If 3 more shelves are filled, what fraction of the shelves are now filled with books?

Additional Practice Questions

Complete the following questions:

1. Identify which of the following fractions are equivalent: 2/3 and 4/6

2. Compare the following fractions with different denominators: 1/2 and 1/3

3. A recipe calls for 3/4 cup of sugar. If you only have a 1/8 cup measuring cup, how many times will you need to fill it to get 3/4 cup?

Answer Key

1. Yes, 2/3 and 4/6 are equivalent fractions.

2. 1/2 is larger than 1/3.

3. You will need to fill the 1/8 cup measuring cup 6 times to get 3/4 cup.